

Tire Manufacturing (Except Retreading): 2002

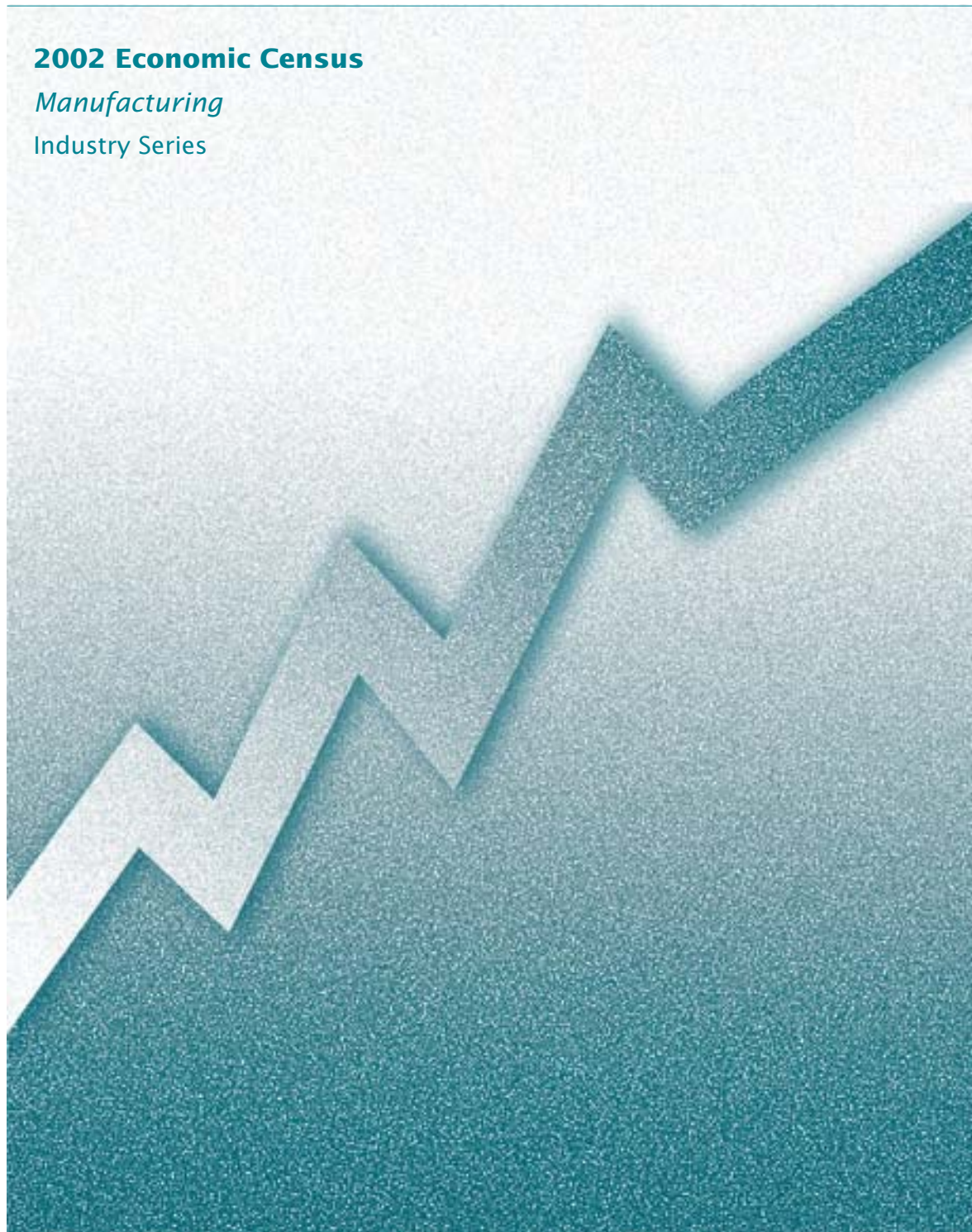
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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
326211, Tire manufacturing (except retreading)	2002..	109	158	63 842	2 918 929	52 505	102 248	2 311 762	7 178 703	6 238 582	13 402 211	'488 903
2001..	N	N	N	62 577	2 829 912	52 901	103 962	2 282 307	6 991 953	6 372 788	13 429 328	513 850
2000..	N	N	N	66 449	3 022 720	56 721	113 109	2 454 686	7 681 154	6 929 467	14 620 417	745 529
1999..	N	N	N	64 112	2 873 071	54 234	110 886	2 289 245	7 639 896	6 364 297	13 949 657	663 838
1998..	N	N	N	65 429	2 824 020	55 167	110 976	2 256 771	7 570 262	6 735 883	14 318 766	688 931
1997..	110	161	N	64 334	2 772 569	54 156	110 662	2 219 999	7 521 527	7 182 764	14 728 525	587 101

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326211, Tire manufacturing (except retreading)												
United States	—	158	86	63 842	2 918 929	52 505	102 248	2 311 762	7 178 703	6 238 582	13 402 211	1 488 903
California	7	10	3	486	17 068	412	879	12 800	30 295	36 063	69 934	5 358
Georgia	—	9	8	2 312	86 400	2 005	3 895	73 407	338 553	269 257	607 623	117 009
Iowa	—	6	4	2 366	101 733	1 950	3 528	81 233	198 651	235 285	438 549	111 872
North Carolina	—	11	9	7 243	351 574	5 784	12 738	256 620	972 486	696 621	1 663 426	188 624
Ohio	—	12	7	4 049	166 911	1 911	3 707	84 114	353 519	227 412	567 202	113 560
Oklahoma	—	4	4	6 424	326 383	5 703	11 823	280 383	751 402	666 209	1 382 429	53 718
Tennessee	—	9	6	7 074	337 786	6 057	12 240	274 207	670 590	724 709	1 398 480	51 571
Texas	—	10	4	1 761	82 297	1 541	3 101	68 702	215 830	186 246	403 605	11 282

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326211, Tire manufacturing (except retreading)	
Companies ¹	number.. 109
All establishments ²	number.. 158
Establishments with 1 to 19 employees	number.. 72
Establishments with 20 to 99 employees	number.. 22
Establishments with 100 employees or more	number.. 64
All employees ³	number.. 63 842
Total compensation	\$1,000.. 4 289 981
Annual payroll	\$1,000.. 2 918 929
Total fringe benefits	\$1,000.. 1 371 052
Production workers, average for year	number.. 52 505
Production workers on March 12	number.. 52 190
Production workers on May 12	number.. 52 788
Production workers on August 12	number.. 53 097
Production workers on November 12	number.. 51 917
Production worker hours	\$1,000.. 102 248
Production worker wages	\$1,000.. 2 311 762
Total cost of materials	\$1,000.. 6 238 582
Materials, parts, containers, packaging, etc., used	\$1,000.. 5 696 293
Resales	\$1,000.. 184 893
Purchased fuels	\$1,000.. 118 671
Purchased electricity	\$1,000.. 190 664
Contract work	\$1,000.. 48 061
Quantity of electricity purchased for heat and power	1,000 kWh.. 4 834 163
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 13 402 211
Primary products value of shipments	\$1,000.. 12 672 220
Secondary products value of shipments	\$1,000.. 452 006
Total miscellaneous receipts	\$1,000.. 277 985
Value of resales	\$1,000.. 264 290
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 12 725 154
Value of primary products shipments made in this industry	\$1,000.. 12 672 220
Value of primary products shipments made in other industries	\$1,000.. 52 934
Coverage ratio	percent.. 100
Value added	\$1,000.. 7 178 703
Total inventories, beginning of year	\$1,000.. 1 055 078
Finished goods inventories	\$1,000.. 545 431
Work-in-process inventories	\$1,000.. 115 580
Materials and supplies inventories	\$1,000.. 394 067
Total inventories, end of year	\$1,000.. 1 016 853
Finished goods inventories	\$1,000.. 568 345
Work-in-process inventories	\$1,000.. 107 740
Materials and supplies inventories	\$1,000.. 340 768
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '10 261 400
Total capital expenditures (new and used)	\$1,000.. '488 903
Buildings and other structures (new and used)	\$1,000.. '20 757
Machinery and equipment (new and used)	\$1,000.. '468 146
Automobiles, trucks, etc., for highway use	\$1,000.. '1 092
Computers and peripheral data processing equipment	\$1,000.. '8 385
All other expenditures for machinery and equipment	\$1,000.. '458 669
Total retirements	\$1,000.. '709 572
Gross value of depreciable assets at end of year	\$1,000.. '10 040 731
Depreciation charges during year	\$1,000.. '515 132
Total rental payments	\$1,000.. 56 430
Buildings and other structures	\$1,000.. 11 628
Machinery and equipment	\$1,000.. 44 802
Total other expenses ⁴	\$1,000.. 1 032 559
Response coverage ratio ⁵	percent.. 69
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 156 272
Communications services ⁴	\$1,000.. D
Legal services ⁴	\$1,000.. 3 736
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. D
Advertising and promotional services ⁴	\$1,000.. 3 377
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 4 833
Refuse removal (including hazardous waste) services ⁴	\$1,000.. D
Management consulting and administrative services ⁴	\$1,000.. 10 881
Taxes and license fees ⁴	\$1,000.. 26 029
All other expenses ⁴	\$1,000.. 648 092

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326211, Tire manufacturing (except retreading)											
All establishments	—	158	63 842	2 918 929	52 505	102 248	2 311 762	7 178 703	6 238 582	13 402 211	'488 903
Establishments with—											
1 to 4 employees	9	43	90	4 175	78	146	3 415	9 325	8 472	17 775	'484
5 to 9 employees	5	18	124	5 117	99	194	3 880	10 015	10 425	22 521	'328
10 to 19 employees	5	11	140	6 646	111	220	4 839	15 354	14 640	31 921	'373
20 to 49 employees	3	10	285	12 677	207	432	8 829	26 540	28 182	54 689	'904
50 to 99 employees	2	12	f	D	D	D	D	D	D	D	D
100 to 249 employees	—	17	2 813	94 653	2 211	4 465	66 843	479 262	373 774	857 418	'27 709
250 to 499 employees	—	12	4 056	138 482	3 285	6 658	104 804	356 084	306 131	647 693	'9 866
500 to 999 employees	—	5	3 782	177 809	3 054	6 400	141 658	382 083	466 543	854 596	18 970
1,000 to 2,499 employees	—	26	38 370	1 887 070	32 875	64 894	1 567 577	4 676 909	3 971 625	8 629 105	'312 240
2,500 employees or more	—	4	j	D	D	D	D	D	D	D	D
Administrative records ⁴	9	48	205	9 628	182	349	7 938	20 800	19 096	39 896	'787

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
326211	Tire manufacturing (except retreading)	158	63 842	2 918 929	52 505	102 248	2 311 762	7 178 703	6 238 582	13 402 211	'488 903
3262111	Passenger car pneumatic tires (casings)	22	33 231	1 646 154	28 490	57 648	1 349 482	3 999 700	3 392 858	7 365 073	'296 224
3262113	Truck and bus (including off-the-highway pneumatic tires)	16	19 464	842 964	15 091	26 798	630 858	2 082 829	1 774 216	3 857 592	134 574
3262117	Tractor and implement (farm and industrial) pneumatic tires	4	3 069	147 780	2 568	4 979	120 727	273 863	331 862	611 355	12 248
3262119	Industrial and utility pneumatic tires (including garden)	4	g	D	D	D	D	D	D	D	D
326211B	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	3	f	D	D	D	D	D	D	D	D
326211D	Solid and semipneumatic tires	11	1 376	42 284	1 058	2 142	28 312	111 030	158 150	266 023	'3 771
326211F	Inner tubes	3	575	17 577	433	836	13 155	41 385	37 572	77 002	D
326211H	Tread rubber, tire sundries, and repair materials	25	2 296	78 296	1 738	3 724	53 406	450 913	343 430	801 915	'28 380

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
326211	Tire manufacturing (except retreading)	2002.. N	X	X	12 725 154
	1997.. N	N	X	X	14 326 101
3262111	Passenger car pneumatic tires (casings)	2002.. N	X	X	6 240 162
	1997.. N	N	X	X	6 677 438
32621111	Passenger car pneumatic tires (casings)	2002.. N	X	X	6 240 162
	1997.. N	N	X	X	6 665 420
3262111112	Radial passenger car pneumatic tires (casings)	2002.. 9	X	189.1	6 169 565
	1997.. 11	X	202.1	S	6 597 684
3262111115	Other passenger car pneumatic tires (casings)	2002.. 9	X	S	70 597
	1997.. 8	X	X	S	67 736
3262111Y	Passenger car pneumatic tires (casings), nsk	2002.. N	X	X	—
	1997.. N	N	X	X	12 018
3262111YV	Passenger car pneumatic tires (casings), nsk	2002.. N	X	X	—
	1997.. N	N	X	X	12 018
3262113	Truck and bus (including off-the-highway pneumatic tires)	2002.. N	X	X	4 447 056
	1997.. N	N	X	X	5 157 561
32621131	Light truck (including off-the-highway) radial pneumatic tires	2002.. N	X	X	2 427 081
	1997.. N	N	X	X	2 267 947
3262113111	Light truck (including off-the-highway) radial pneumatic tires	2002.. 10	X	45.5	2 427 081
	1997.. 10	X	42.5	X	2 267 947
32621132	Other truck and bus pneumatic tires	2002.. N	X	X	2 019 975
	1997.. N	N	X	X	2 832 612
3262113212	Other light truck (including off-the-highway) pneumatic tires	2002.. 6	X	.4	35 326
	1997.. 5	X	D	D	D
3262113221	Large off-the-highway (sizes 16.00 inches and larger) radial pneumatic tires	2002.. 6	X	X	471 538
	1997.. 4	X	X	X	320 100
3262113222	Other large off-the-highway (sizes 16.00 inches and larger) pneumatic tires	2002.. 4	X	X	D
	1997.. 4	X	X	X	D
3262113231	Other truck and bus radial pneumatic tires	2002.. 4	X	X	1 423 642
	1997.. 9	X	X	X	2 168 637
3262113232	Other truck and bus pneumatic tires	2002.. 2	X	X	D
	1997.. 3	X	X	X	D
3262113Y	Truck and bus (including off-the-highway pneumatic tires), nsk	2002.. N	X	X	—
	1997.. N	N	X	X	57 002
3262113YV	Truck and bus (including off-the-highway pneumatic tires), nsk	2002.. N	X	X	—
	1997.. N	N	X	X	57 002
3262117	Tractor and implement (farm and industrial) pneumatic tires	2002.. N	X	X	492 224
	1997.. N	N	X	X	807 777
32621171	Tractor and implement (farm and industrial) pneumatic tires	2002.. N	X	X	492 224
	1997.. N	N	X	X	807 777
3262117100	Tractor and implement (farm and industrial) pneumatic tires	2002.. 9	X	3.9	492 224
	1997.. 7	X	6.2	X	807 777
3262119	Industrial and utility pneumatic tires (including garden)	2002.. N	X	X	234 814
	1997.. N	N	X	X	190 015
32621191	Industrial and utility pneumatic tires (including garden)	2002.. N	X	X	234 814
	1997.. N	N	X	X	190 015
3262119100	Industrial and utility pneumatic tires (including garden)	2002.. 7	X	10.6	234 814
	1997.. 3	X	S	S	190 015
326211B	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	2002.. N	X	X	231 604
	1997.. N	N	X	X	200 260
326211B1	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	2002.. N	X	X	231 604
	1997.. N	N	X	X	200 260
326211B100	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	2002.. 7	X	X	231 604
	1997.. 10	X	X	X	200 260
326211D	Solid and semipneumatic tires	2002.. N	X	X	D
	1997.. N	N	X	X	169 779
326211D1	Solid and semipneumatic tires	2002.. N	X	X	D
	1997.. N	N	X	X	169 779
326211D139	Solid tires (industrial, highway, bogie, idler, and support rollers)	2002.. 4	X	D	D
	1997.. 7	X	S	S	88 535
326211D152	Other solid and semipneumatic tires (including hand lawn mower, baby carriage, tricycle, juvenile, etc.)	2002.. 7	X	X	D
	1997.. 5	X	X	X	81 244
326211DY	Solid and semipneumatic tires, nsk	2002.. N	X	X	1 006
	1997.. N	N	X	X	—
326211DYV	Solid and semipneumatic tires, nsk	2002.. N	X	X	1 006
	1997.. N	N	X	X	—
326211F	Inner tubes	2002.. N	X	X	D
	1997.. N	N	X	X	144 418
326211F1	Inner tubes	2002.. N	X	X	D
	1997.. N	N	X	X	144 418
326211F121	Passenger car and motorcycle inner tubes	2002.. 2	X	D	D
	1997.. 5	X	S	S	35 677
326211F123	Truck and bus inner tubes (including off-the-highway)	2002.. 2	X	D	D
	1997.. 3	X	6.4	X	56 706
326211F127	All other inner tubes (including tractor and implement (farm and industrial) aircraft, industrial, utility, garden and bicycle)	2002.. 2	X	X	D
	1997.. 5	X	X	X	52 035
326211FY	Inner tubes, nsk	2002.. N	X	X	11 096
	1997.. N	N	X	X	—
326211FYV	Inner tubes, nsk	2002.. N	X	X	11 096
	1997.. N	N	X	X	—

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
326211	Tire manufacturing (except retreading)—Con.				
326211H	Tread rubber, tire sundries, and repair materials	2002.. N	X	X	730 286
	1997.. N		X	X	870 252
326211H1	Tread rubber (camelback) (including slab rubber for use in automatic tread rubber extruding machines)	2002.. N	X	X	192 490
	1997.. N		X	X	687 249
326211H111	Tread rubber (camelback) (including slab rubber for use in automatic tread rubber extruding machines)	2002.. 9	X	X	192 490
	1997.. 11		X	X	687 249
326211H2	Tire flaps and other tire sundries	2002.. N	X	X	532 114
	1997.. N		X	X	183 003
326211H231	Tire flaps	2002.. 2	X	X	D
	1997.. 3		X	X	4 806
326211H239	Other tire sundries, repair materials, and tiring	2002.. 22	X	X	D
	1997.. 12		X	X	178 197
326211HY	Tread rubber, tire sundries, and repair materials, nsk	2002.. N	X	X	5 682
	1997.. N		X	X	—
326211HYWV	Tread rubber, tire sundries, and repair materials, nsk	2002.. N	X	X	5 682
	1997.. N		X	X	—
326211W	Tires manufacturing (except retreading), nsk, total	2002.. N	X	X	98 825
	1997.. N		X	X	108 601
326211WY	Tires manufacturing (except retreading), nsk, total	2002.. N	X	X	98 825
	1997.. N		X	X	108 601
326211WYWW	Tires manufacturing (except retreading), nsk, for nonadministrative-record establishments	2002.. N	X	X	59 442
	1997.. N		X	X	60 084
326211WYWY	Tires manufacturing (except retreading), nsk, for administrative-record establishments	2002.. N	X	X	39 383
	1997.. N		X	X	48 517

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3262111	Passenger car pneumatic tires (casings)	
	United States..... 2002..	6 240 162
	..... 1997..	6 677 438
	North Carolina..... 2002..	1 100 005
	..... 1997..	1 251 084
	Oklahoma..... 2002..	1 269 524
	..... 1997..	1 156 185
3262113	Truck and bus (including off-the-highway pneumatic tires)	
	United States..... 2002..	4 447 056
	..... 1997..	5 157 561
	Ohio..... 2002..	337 593
	..... 1997..	N
3262117	Tractor and implement (farm and industrial) pneumatic tires	
	United States..... 2002..	492 224
	..... 1997..	807 777
3262119	Industrial and utility pneumatic tires (including garden)	
	United States..... 2002..	234 814
	..... 1997..	190 015
326211B	Other pneumatic tires and casing including motor bike, motorcycle, moped, bicycle, aircraft, and mobile home	
	United States..... 2002..	231 604
	..... 1997..	200 260
326211D	Solid and semipneumatic tires	
	United States..... 2002..	D
	..... 1997..	169 779
326211F	Inner tubes	
	United States..... 2002..	D
	..... 1997..	144 418
326211H	Tread rubber, tire sundries, and repair materials	
	United States..... 2002..	730 286
	..... 1997..	870 252
	Georgia..... 2002..	179 330
	..... 1997..	N
	North Carolina..... 2002..	230 068
	..... 1997..	159 510
	Ohio..... 2002..	32 446
	..... 1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326211	Tire manufacturing (except retreading)		
00900001	Total materials .....2002..	X	5 696 293
	.....1997..	X	6 647 042
11321005	Natural latex rubber (dry solids content) .....2002..	X	224 070
	.....1997..	X	552 069
11321003	Natural dry rubber .....2002..	X	470 969
	.....1997..	X	615 836
32513107	Inorganic pigments mil lb..2002..	P418.2	226 396
	.....1997..	S	118 222
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	51 645
	.....1997..	X	40 544
32521201	Synthetic rubber (including vulcanizable elastomers) .....2002..	X	1 270 272
	.....1997..	X	1 480 386
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.) .....2002..	X	333 803
	.....1997..	X	418 640
32510059	Plasticizers .....2002..	X	D
	.....1997..	X	46 433
32518200	Carbon black mil lb..2002..	2 220.0	664 035
	.....1997..	P2 110.8	556 617
32500063	All other chemicals and allied products (excluding inorganic pigments, plastics resins, synthetic rubber, rubber processing chemicals, plasticizers, and carbon black) .....2002..	X	192 130
	.....1997..	X	166 319
32629901	Reclaimed rubber (excluding mud and crumb and ground scrap) mil lb..2002..	D	D
	.....1997..	S	17 480
32629905	Rubber compounds and mixtures purchased (dry rubber solids content) mil lb..2002..	443.0	239 401
	.....1997..	535.8	349 603
32600019	All other fabricated rubber products .....2002..	X	208 175
	.....1997..	X	91 996
31499201	Nylon tire cord mil lb..2002..	79.6	180 447
	.....1997..	85.6	221 137
31499203	Polyester tire cord mil lb..2002..	146.9	278 295
	.....1997..	189.0	392 228
31499205	Metallic tire cord mil lb..2002..	P524.3	435 950
	.....1997..	Q389.8	424 381
31499207	All tire fabrics (including rayon, fiberglass, chafer, and other tire cord) .....2002..	X	123 765
	.....1997..	X	193 309
33200081	Fabricated metal products (excluding forgings) .....2002..	X	108 679
	.....1997..	X	69 841
33120011	Steel wire 1,000 s tons..2002..	P399.7	297 960
	.....1997..	354.4	399 657
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	17 954
	.....1997..	X	15 499
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	249 593
	.....1997..	X	390 276
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	74 445
	.....1997..	X	86 569

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.